

What is Claimed is:

1. A portable radial projection light source arrangement, comprising:

a shelter housing comprising a protection base having a light source cavity therein, and a supporting frame mounted on said protection base; and

5 an illumination unit comprising a power source supported in said protection base, a light source disposed in said light source cavity and electrically connected to said power source, and a reflecting member supported at a position coaxially above said light source wherein said reflecting member has a light reflecting surface radially projected from said light source in such a manner that when said light source emits light, said light  
10 is radially reflected by said light reflecting surface of said reflecting member to outside.

2. A portable radial projection light source arrangement, as recited in claim 1, wherein said light reflecting surface of said reflecting member is inclinedly and upwardly extended with respect to said light source to form a light reflecting angle such that said light emitted from said light source is radially reflected with said light reflecting  
15 angle to outside.

3. A portable radial projection light source arrangement, as recited in claim 1, wherein said reflecting member, having a cone shaped, is supported above said light source in an inverted manner, wherein said light reflecting surface of said reflecting member is formed at an outer circumferential surface thereof, wherein a base  
20 circumferential edge of said reflecting member is securely held by said supporting frame in such a manner that an apex of said reflecting member is pointed at said light source.

4. A portable radial projection light source arrangement, as recited in claim 2, wherein said reflecting member, having a cone shaped, is supported above said light source in an inverted manner, wherein said light reflecting surface of said reflecting member is formed at an outer circumferential surface thereof, wherein a base  
25 circumferential edge of said reflecting member is securely held by said supporting frame in such a manner that an apex of said reflecting member is pointed at said light source.

5. A portable radial projection light source arrangement, as recited in claim 1, wherein said light source comprises an electric circuit electrically connected to said power source and a luminary element which is electrically connected to said electric circuit and is aligned with said reflecting member for emitting said light t.

5 6. A portable radial projection light source arrangement, as recited in claim 2, wherein said light source comprises an electric circuit electrically connected to said power source and a luminary element which is electrically connected to said electric circuit and is aligned with said reflecting member for emitting said light.

10 7. A portable radial projection light source arrangement, as recited in claim 4, wherein said light source comprises an electric circuit electrically connected to said power source and a luminary element which is electrically connected to said electric circuit and is aligned with said reflecting member for emitting said light.

15 8. A portable radial projection light source arrangement, as recited in claim 5, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.

20 9. A portable radial projection light source arrangement, as recited in claim 6, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.

10. A portable radial projection light source arrangement, as recited in claim 7, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.

25 11. A portable radial projection light source arrangement, as recited in claim 1, wherein said supporting frame comprises a plurality of supporting ribs radially extended from said light source cavity so as to substantially support said reflecting member above said light source.

12. A portable radial projection light source arrangement, as recited in claim 4, wherein said supporting frame comprises a plurality of supporting ribs radially extended from said light source cavity so as to substantially support said reflecting member above said light source.

5           13. A portable radial projection light source arrangement, as recited in claim 7, wherein said supporting frame comprises a plurality of supporting ribs radially extended from said light source cavity so as to substantially support said reflecting member above said light source.

10           14. A portable radial projection light source arrangement, as recited in claim 11, wherein each of said supporting ribs is made of transparent material for allowing said light emitted from said light source to pass through said supporting ribs to outside so as to enhance a visibility of said illumination unit.

15           15. A portable radial projection light source arrangement, as recited in claim 12, wherein each of said supporting ribs is made of transparent material for allowing said light emitted from said light source to pass through said supporting ribs to outside so as to enhance a visibility of said illumination unit.

20           16. A portable radial projection light source arrangement, as recited in claim 13, wherein each of said supporting ribs is made of transparent material for allowing said light emitted from said light source to pass through said supporting ribs to outside so as to enhance a visibility of said illumination unit.

            17. A portable radial projection light source arrangement, as recited in claim 4, wherein said power source has a battery compartment provided at a bottom portion of said protection base for receiving a replaceable battery.

25           18. A portable radial projection light source arrangement, as recited in claim 10, wherein said power source has a battery compartment provided at a bottom portion of said protection base for receiving a replaceable battery.

            19. A portable radial projection light source arrangement, as recited in claim 13, wherein said power source has a battery compartment provided at a bottom portion of said protection base for receiving a replaceable battery.

20. A portable radial projection light source arrangement, as recited in claim 1, wherein said light source comprises an electric circuit electrically connected to said power source and a luminary element which is electrically connected to said electric circuit for emitting said light, wherein said reflecting member, having an inverted cone shaped, is integrally extended from a top end of said luminary element, wherein said light reflecting surface is defined at an outer circumferential cone surface to align with said luminary element for reflecting said light in a radial manner.

21. A portable radial projection light source arrangement, as recited in claim 20, wherein said supporting frame comprises a plurality of supporting ribs radially and extended to define a light chamber for said reflecting member to be disposed therewithin, wherein each of said supporting ribs is made of transparent material for allowing said light emitted from said light source to pass through said supporting ribs to outside so as to enhance a visibility of said illumination unit.

22. A portable radial projection light source arrangement, as recited in claim 20, wherein said power source has a battery compartment provided at a bottom portion of said protection base for receiving a replaceable battery, wherein said light source is lifted up above said battery compartment for enhancing a light emission of said light source.

23. A portable radial projection light source arrangement, as recited in claim 21, wherein said power source has a battery compartment provided at a bottom portion of said protection base for receiving a replaceable battery, wherein said light source is lifted up above said battery compartment for enhancing a light emission of said light source.

24. A portable radial project light source arrangement, as recited in claim 22, wherein said light source further comprises an actuation unit supported underneath said electric circuit to electrically control said luminary element, and a switch control which is provided at a bottom side of said protection base and has an actuation arm extended to said actuation unit to selectively switch said luminary element in an on and off manner.

25. A portable radial project light source arrangement, as recited in claim 23, wherein said light source further comprises an actuation unit supported underneath said electric circuit to electrically control said luminary element, and a switch control which is provided at a bottom side of said protection base and has an actuation arm extended to said actuation unit to selectively switch said luminary element in an on and off manner.

26. A portable radial projection light source arrangement, as recited in claim 20, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.

5           27. A portable radial projection light source arrangement, as recited in claim 23, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.

10           28. A portable radial projection light source arrangement, as recited in claim 25, wherein said luminary element is a LED having at least two terminal electrodes electrically connected to said electric circuit in such a manner that said light is emitted by said luminary element when said terminal electrodes are electrified.